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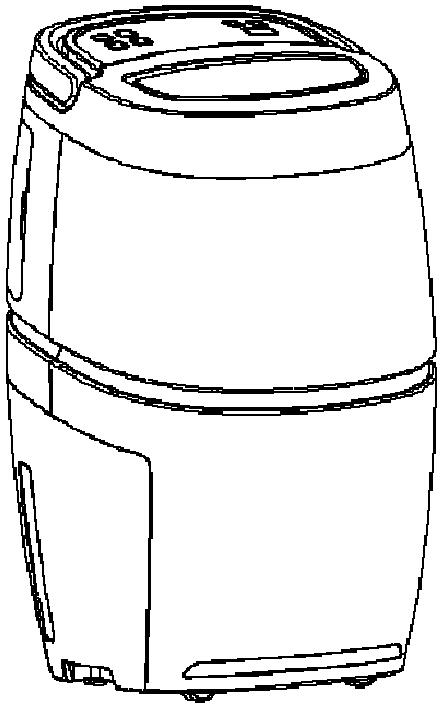
USERS MANUAL



Model No.

ECO20LDK

Read This Manual

Inside you will find many helpful hints on how to use and maintain your dehumidifier properly. Just a little preventative care on your part can save you a great deal of time and money over the life of your dehumidifier. You'll find many answers to common problems in the chart of troubleshooting tips. Review the chart of Troubleshooting Tips before calling your service engineer.

This dehumidifier may have been selected for quality test, therefore some condensation may remain.

CONGRATULATIONS on your purchase of the SMART & FRESH ECO20LDK Carbon Filter Dehumidifier

You have purchased a high quality dehumidifier capable of extracting humidity of 20 litres per day at 80%RH 30℃. This unique unrivalled dehumidifier is packed full of features that you will find beneficial.

1) Intelligent Controls to save energy and prolong the life of your unit
2) Carbon Filter to give you fresh air
3) Silent Mode to give you a powerful and yet a quiet unit
4) LCD display panel

Intelligent Control

1) Intelligent Energy™

Your dehumidifier is programmed with ***Intelligent Energy™*** to help you save energy by automatically lowering its fan speed when your desired or the set humidity is reached within the Auto and Manual modes. The illumination of your LED display will automatically shut off and comes back on.

2) Intelligent Protect™

Your dehumidifier is designed with ***Intelligent Protect™*** to help protect your compressor hence prolongs the life your unit. Intelligent Protect is a unique pre-programmed variable time delay for starting and stopping the compressor in your dehumidifier. The time delay varies between 1 minute to 10 minutes depending on the settings, ambient conditions and functions selected.

Carbon Filter

Carbon filter provides air filtration system to remove airborne particles, contaminants and impurities. This will provide protection against dust mite, pet allergen, pollen and mould spores. Recommended for asthma sufferers.

Silent Mode

Activate the Silent Mode for peace and quiet.

LCD Display Panel

A large LCD Display (7.5cm x 3.75cm) that provides a number of indicators and readings:-

1) Fan Speed indicator
2) Water Full indicator
3) Continuous / Laundry mode indicator
4) Timer (1-8 hour) reading
5) Swing function indicator
6) Auto Defrost indicator

7) Silent mode on indicator
8) Humidity reading - displays AMBIENT humidity when is on and displays SET humidity when symbol is off. (To display SET humidity level, press △▽ button once. Reading will revert to AMBIENT humidity level after 3 seconds).
9) Dry mode on indicator
10) Ambient room temperature (℃)

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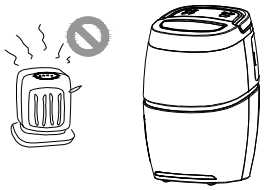
Safety Precautions

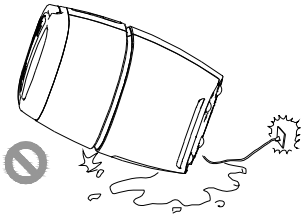
Do not install and use the unit before carefully reading this instruction guide. Please retain this manual for product warranty and future reference.

1）Do not place your dehumidifier close to other high temperature appliance to avoid fire or damage.



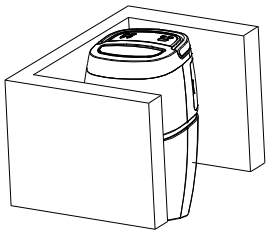
2）Never place unit in or allow contact with water or rain or in a bathroom.

3）Always ensure unit is upright, do not use when unit is not upright or at a slanted angle. Disconnect unit if unit topples over. Leave unit upright for at least 2 hours before switching on.



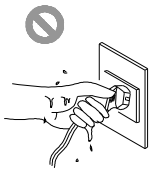
4）Always ensure the inlet and outlet ventilation is not blocked at all times.

5）Ensure there is 30 cm of clear space on all sides of the unit.

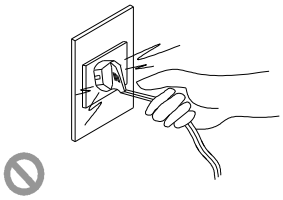


6）Do not spray water on the unit, spraying water may cause malfunctioning and electric shock.

7）Never pull the socket with damp hands.



8）Do not pull the cable when removing the plug from the mains.



9）If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

BS Plug Wiring

Wiring Instructions: Should it be necessary to change the plug please note the wires in the mains lead are coloured in accordance with the following code:

BLUE - NEUTRAL

BROWN - LIVE

GREEN AND YELLOW – EARTH

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

1. The **BLUE** wire is the **NEUTRAL** and must be connected to the terminal which is marked with the letter **N** or coloured **BLACK**..

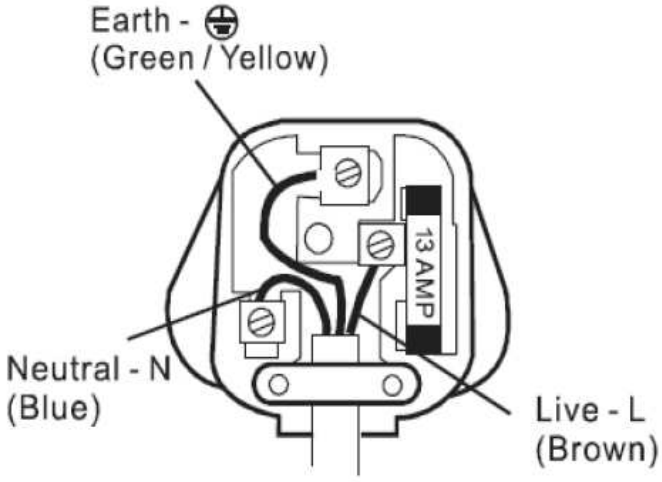
2. The **BROWN** wire is the LIVE and must be connected to the terminal which is marked with the letter **L** or coloured **RED**.

3. The **GREEN/YELLOW** is the **EARTH** and must be connected to the terminal which is marked with the letter **E** or ⏚ or coloured **GREEN** OR **GREEN/YELLOW**.

4. Always ensure that the cord grip is positioned and fastened correctly.

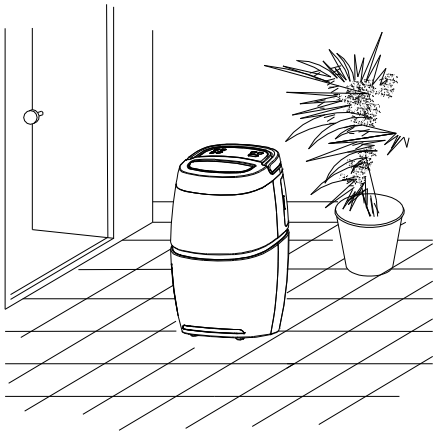
If **a 13A (BS 1363)** fused plug is used it must be fitted with a **13A** fuse. If in doubt consult a qualified electrician.

Wiring for a 13 Amp Plug (BS1363)
Please note. The Earth Terminal is marked with the letter **E** or ⏚ Earth Symbol.

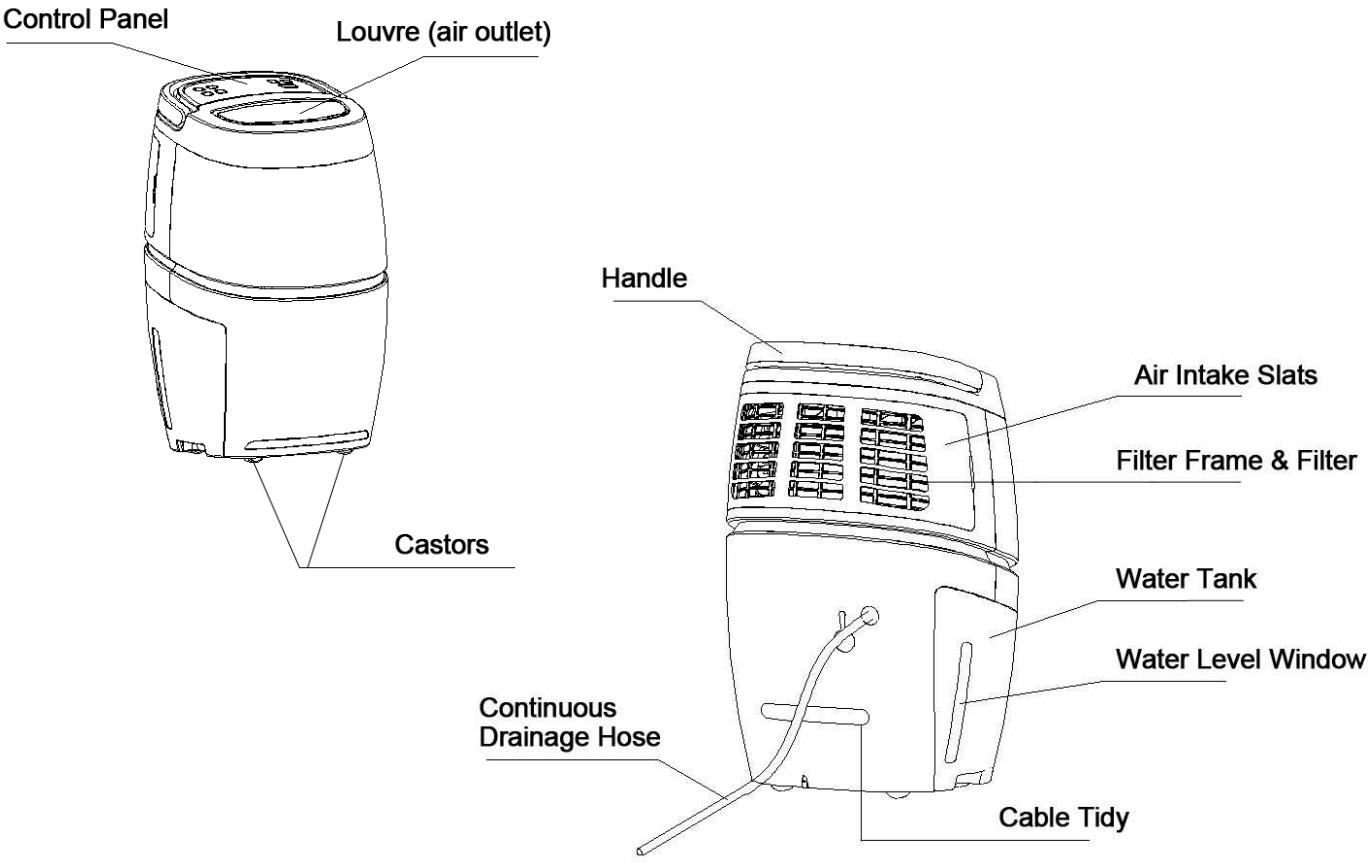


Ambient Environment For Operating

1. The appliance is designed to provide an optimum performance within ambient temperature range of 5℃ to 35℃
2. Operate the unit indoors in your house or office, etc. Never use it in a wet environment such as bathroom or outdoors.
3. Make sure the door and window are closed before operating the unit.
4. Ensure that the unit is placed on a flat, level and stable floor surface. Otherwise, the unit may be unstable and can topple over. It will also cause excessive vibrations and become noisy.

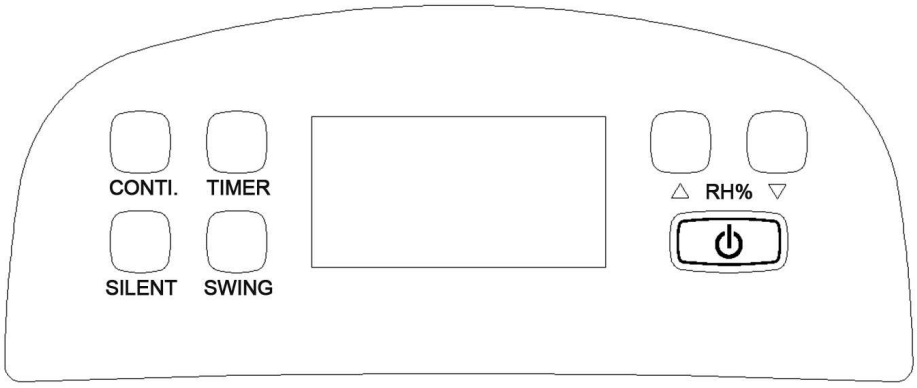


Components Diagrams



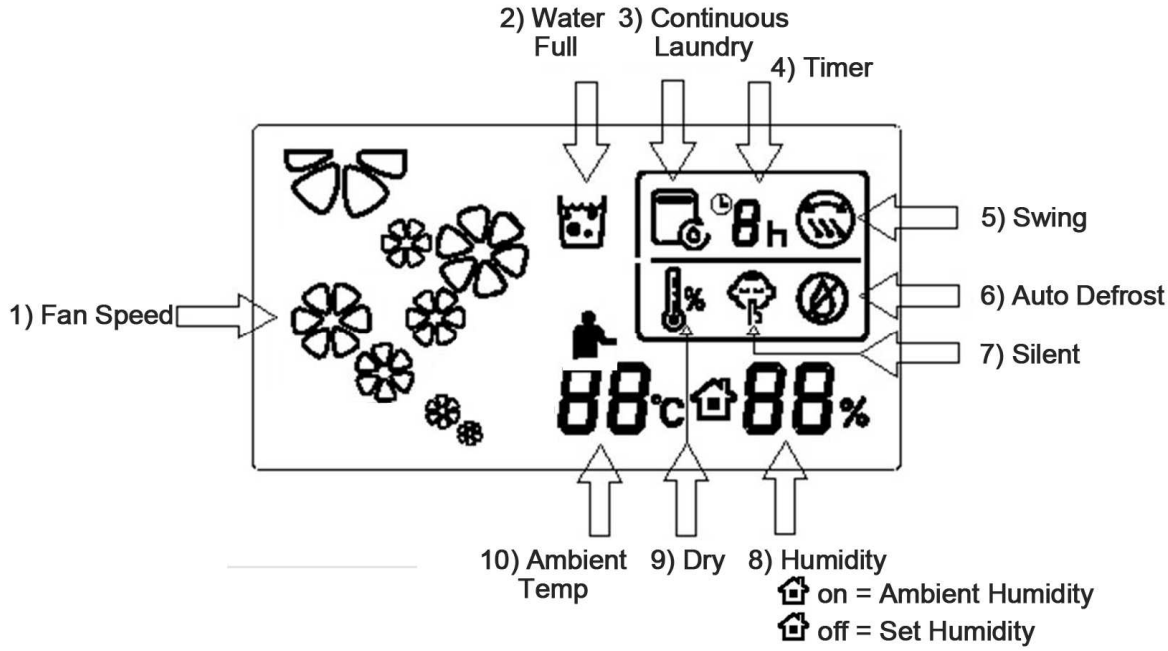
Operating Instructions

FUNCTIONS OF CONTROL PANEL & KEY PADS



1. On / Off: Power On / Off
2. SILENT: Press the button to activate and deactivate SILENT mode
3. CONTI.: Press to dehumidify continuously. (Also used as laundry mode)
4. TIMER: Set Timer ON of OFF 1 – 8 hours
5. SWING: Oscillation Setting.
6. RH% △▽: Set Humidity Level △ or ▽

LCD MONITOR



1) Fan Speed indicator
2) Water Full indicator
3) Continuous / Laundry mode indicator
4) Timer (1-8 hour) reading
5) Swing function indicator
6) Auto Defrost indicator
7) Silent mode on indicator
8) Humidity reading - displays AMBIENT humidity when is on and displays SET humidity when symbol is off. (To display SET humidity level, press △▽ button once. Reading will revert to AMBIENT humidity level after a few seconds).
9) Dry Key to indicate Auto and Manual mode on indicator
10) Ambient room temperature (degrees ℃)

OPERATION OF KEYS PADS

Plug into power socket:
The unit will beep 3 times, air louvre goes into closed position.

MODES

1) AUTO
2) MANUAL
3) CONTINUOUS

1) AUTO MODE

Switching on AUTO mode

Press ON button to switch on AUTO mode.

- The unit will beep once to indicate power on
- The DRY key will appear on the LCD display
- The louver opens to a wide position
- Your dehumidifier will be set at a default humidity level of 60% RH. (pressing the △ or ▽ once will display the set humidity level for a few seconds and then revert back to the ambient humidity level)
- The fan will be at high fan speed.

SILENT Activation

Press SILENT button to activate the SILENT function within the DRY mode.

- Your dehumidifier will be set at the default humidity level of 60% RH.
- The fan will be on low fan speed.

2) MANUAL MODE

Switching on MANUAL mode

Press △▽ button to select desired humidity level.

Your humidity level can be selected in frequencies of 5%, ranging from 40% to 80%.

- Your dehumidifier will be set at your selected humidity level. (pressing the △ or ▽ once will display the set humidity level for a few seconds and then revert back to the ambient humidity level)
- The DRY key will remain on the LCD display
- The fan will be at high fan speed.

SILENT Activation.

To activate the SILENT function within the MANUAL mode:

1) Press “SILENT” button once. The key will appear on the LCD display.
2) Then press △▽ to select your desired humidity level.

- Your dehumidifier will be set at your selected humidity level. (pressing the △ or ▽ once will display the set humidity level for a few seconds and then revert back to the ambient humidity level)
- The fan will be on low fan speed.

TIP
If you set your humidity level at below the ambient humidity level, your dehumidifier will extract water.

If you set your humidity level at above the ambient humidity level, your dehumidifier will ***not*** *extract water.*

Eg.
Ambient humidity = 55%
Your air is still too damp, then you need to select a lower humidity level, say, 40%
Press △▽ button until 40% is displayed on your LCD panel.

3) <u>CONTINUOUS MODE</u>

Switching on CONTINUOUS mode

Press CONT button. will appear on the LCD display.

- Your dehumidifier will run continuosly.
- The fan will be at high fan speed.

Pressing the △▽ symbol or symbol will reset the dehumidifier to the AUTO mode.

<u>TIMER:</u>

You can set your dehumidifier ON or OFF Timer between 1 – 8 hours (in hourly frequencies).

1) To Set Timer ON

    - Switch dehumidifier OFF
    - Press TIMER to select number of hours (1 – 8 hours)
    - The unit will switch ON to AUTO mode after the number of hours you have selected has elapsed.

2) To Set Timer OFF

    - Press TIMER whilst dehumidifier is running to select number of hours (1-8 hours)
    - The unit will switch OFF after the number of hours you have selected has elapsed.

Note – the timer function can only be set to turn the unit ON or OFF but not ON and OFF simultaneously.

<u>SWING:</u>

Press to oscillate air louvre from 45 to 90 degree automatically. Press again to fix a stationary angle within 45 to 90 degree range.

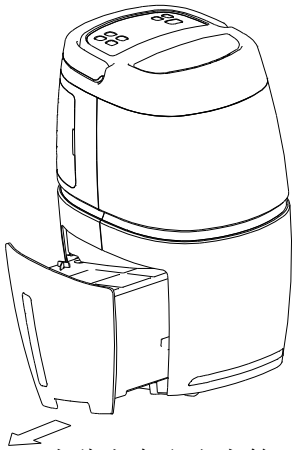
AUTOMATIC DEFROSTING:

A working cycle: When ambient temperature drops to 16℃ or lower, the compressor may go into Automatic Defrosting mode. The compressor will run for a further 25 minutes then will shut down and goes into defrost mode. The fan blower continues to run for 7 minutes to defrost in a cycle. This is normal.

⚠ Symbol of defrost displayed on LCD, the compressor is shut off, fan runs at high speed.

PROTECTION OF WATER FULL

When water is full, the unit will beep 10 times (about 5 seconds) and the water full symbol will be displayed on the LCD screen. All other symbols will disappear. Empty and reinstall the water tank securely.



INTELLIGENT PROTECT ON RESTART

A 3 minute delay will occur before the compressor restarts after the water tank is securely replaced. This is a safety measure designed to protect the unit.

INTELLIGENT PROTECT ON EXTREME TEMPERATURES

When the ambient temperature is outside the range of 0℃ - 40℃, the unit will shut off automatically and the unit will beep with 3 long and 2 short signals. This is a protection measure to preserve the compressor.

⚠
1. All function keys are out of functions, you should plug off to restart the unit.
2. Any abnormal over heating of the unit internally will cause the unit shut off as well.

FAILURES OF HUMIDITY & TEMPERATURE SENSOR

Whenever the temperature sensor malfunctions, the unit will go into Intelligent Protect mode, no operation is allowed, and the “EO” symbol will be displayed on the LCD screen. You may restart it after trouble shooting is completed.

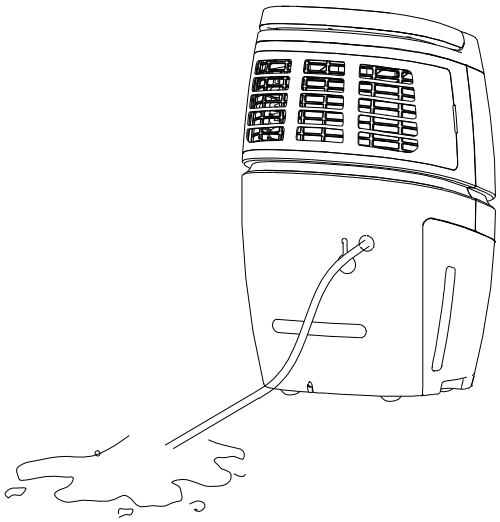
WATER DRIP PROOF DEVICE

When water tank is removed, there is an automatic stop device to avoid condensation water to drip excessively inside the unit.

CONTINUOUS DRAINAGE

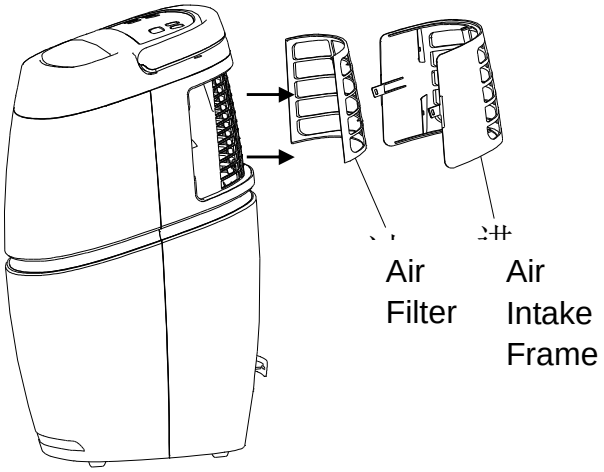
Remove water plug and connect with PVC hose to the spigot

1. PVC hose must be placed on the ground flatly.
2. Do not tangle the hose.
3. Do not immerse the end of water outlet into other receptacle to avoid water flow blockage.



Maintenance & Cleaning

- Before any maintenance or cleaning, switch off and unplug the unit.
- Do not place the unit in direct sunlight.
- Remove the water tank with care.
- If not using the unit for a long period, switch off and unplug the unit, empty the water tank, and pack it after 2 days, then, keep it in dry and in a ventilated place.
- Only use a soft clean cloth for all cleaning purpose. Do not use gasoline, paint thinner or other chemicals to clean the unit.
- Cleaning mesh filter: Remove the air filter (back of the unit) in the direction as shown below. Use a vacuum cleaner or water to clean, then air dry and replace. Filter must be cleaned at least once a week and replaced at least once every six months. You can add a Carbon Filter Mesh to enhance the air quality which must be replaced every 3 months To order filters, please ring 020 8459 2458 quoting : ECO20LDK Carbon Filter Mesh or Air Filter.



Specification

Model	ECO20LDK
Power Rated	220-240VAC/50Hz
Moisture removal	20 L/D (30℃ RH80%)
Dehumidifying Power	360W (30℃ RH80%)
Dehumidifying Air Volume	L speed:130m^3/h H speed: 165m^3/h
Refrigerant	R134a / 160 grams
Capacity of Water Tank	4.5L
Unit Dimension:	366 (W) × 330 (D) × 590 (H) mm

CAUTION

1. The appliance shall be installed in accordance with national wiring regulations.
2. The fuse link is TUE (AC250V,10A)

This appliance is not intended for use by person (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
Children should be supervised to ensure that they do not play with the appliance.

Service And Warranty

TWO (2) YEAR LIMITED WARRANTY
Save This Warranty Information

EcoAir guarantees this product free from defects in materials and workmanship of the unit (filters are excluded) for a period of two (2) years from the date of purchase.

This unit must be operated under conditions as recommended, at voltage indicated on the unit. Any attempts made to service or modify the unit, will render this **WARRANTY VOID**. The actual product may differ slightly from illustration. This warranty is in addition to, and does not affect, your statutory rights.

For further information, please contact 020 8459 2458.

This product has been manufactured to comply with the EC Directives 2006/95/EC and 2004/108/EC.

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Responsible Disposal & Recycling

When your appliance reaches the end of its life, please dispose responsibly.

DO NOT: You must not dispose this appliance as unsorted waste or with your domestic household waste. Please observe local regulations for disposal.

- Most local authorities have specific collection systems for appliances where disposals are free of charge to the end user.

- When replacing an existing appliance with a new appliance, your retailer may take back the old appliance for disposal.